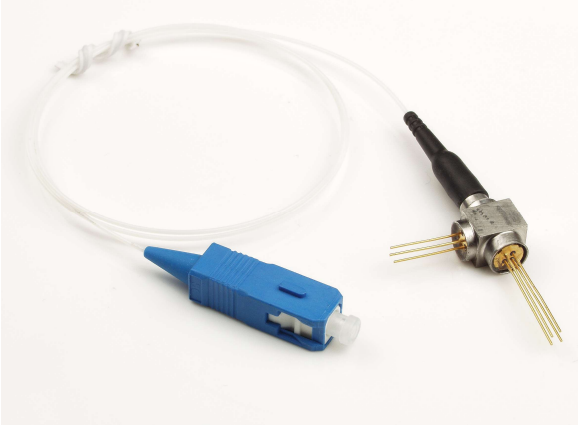
Multimode 850/1310nm Bi-directional Single Fiber Module with PD



Laser Diode (T= 25°C)

Parameter	Symbol	Test Conditions	Min	Typical	Max	Units
Center Wavelength	λ	P_0	1260	1310	1360	nm
		-40 to 85ºC	830	850	860	
Spectral Width	Δλ	P_0, (RMS, -20dB)	-	1	2	nm
			-	-	1	
Threshold Current	I_{th}	P_0, 25ºC	-	5	15	mA
			-	3	6	
Operating Voltage	V_{op}	P_0	-	1.1	1.5	V
			-	1.9	2.2	
Rise/fall Time	t_r / t_f	10-90%	-	0.3	0.7	ns
			-	0.3	0.7	
Optical Output Power	P_0	1310nm,I_{th}+20mA				
		850nm,I_{th}+10mA				
-1					0.9	mW
					0.7	mW
-2			0.9			mW
			0.7			mW
Monitor Current (PD)	I_m	P_0	0.03	0.1	-	mA
Dark Current (PD)	I_d	V_{RD}=10V	-	-	0.1	uA

PIN Photodiode(T=25ºC)

Parameter	Symbol	Test Conditions	Min.	Typical	Max.	Unit
Responsivity	R	1310nm	0.6			A/W
		850nm	0.3			
Dark Current	Id				1	nA
Capacitance	Ct			0.7	0.8	pF

Absolute Maximum Ratings (T=25ºC)

Parameter	Symbol	Min.	Max.	Unit
Forward Current (LD) 1310nm	I_{op}	-	85	mA
850nm			15	
Reverse Voltage (LD) 1310nm	V_{RL}	-	2	V
850nm			10	
Forward Current (PD) 1310nm	I_{FD}	-	2	mA
Reverse Voltage (PD) 1310nm	V_{RD}	-	20	V
Operating Temperature	T_O	-40	85	ºC
Storage Temperature	T_{stg}	-40	100	ºC
Lead Soldering Temperature (10 sec)	T_L	-	260	ºC

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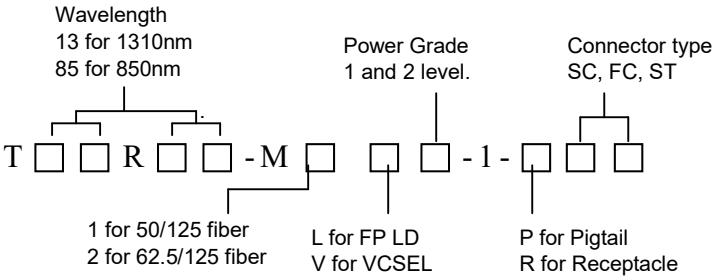
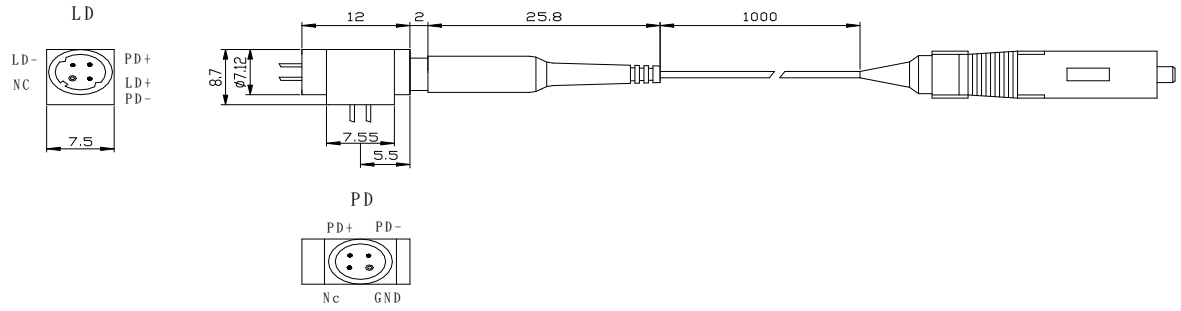
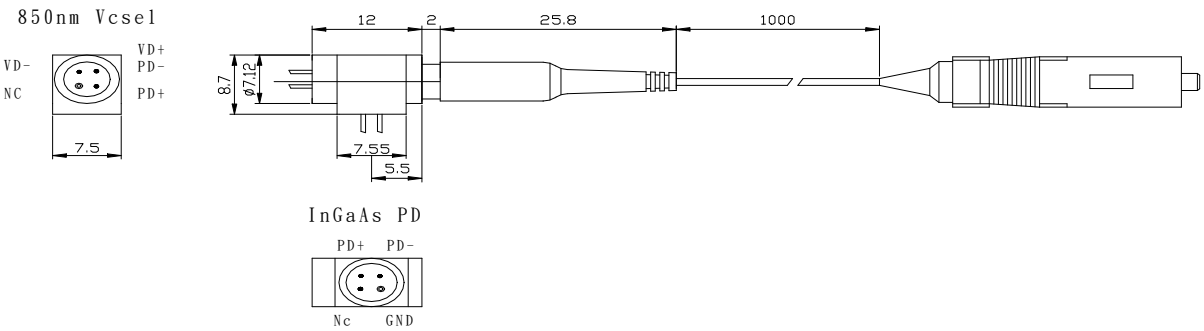
Ordering Information:



Outline Dimension：

Pigtailed：





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Receptacle（SC）: